



सत्यमेव जयते

GOVERNMENT OF GUJARAT

# Establishment of Fruit Processing Unit in Gujarat

## Agro and Food Processing

Government of Gujarat



 **ibrant** <sup>TM</sup>  
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# Project concept

## The concept

The project envisages setting up of fruit processing unit based on the raw material strength of Gujarat such as chickoo, pomegranate, mango, etc.

The manufacturing unit can focus on pulp, squash/ juices, jam & jellies, pickles, etc.

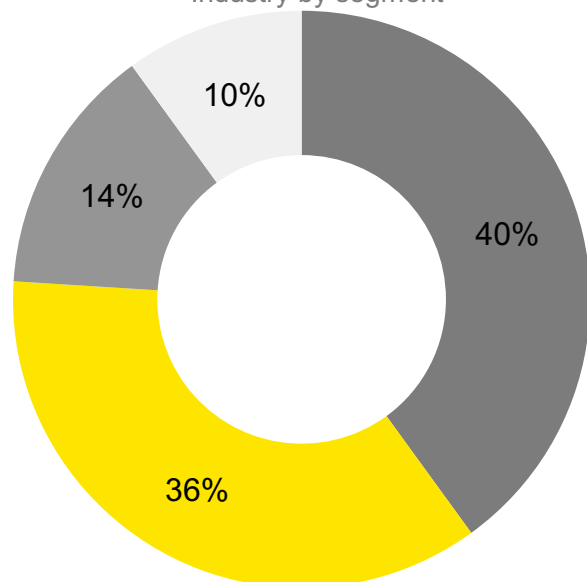


## Fruit processing

- ▶ Processing is one of the most effective solutions to reduce wastage. In India processing of fruits and vegetables is extremely low and is below 2%. Value addition to the raw produce is only 7% compared to as much as 23% in China, 45% in the Philippines and 88% in the UK.
- ▶ Thus the processing industry holds tremendous potential not only for contributing to the GDP but also for generating employment in rural areas and business opportunities for entrepreneurs.
- ▶ There are various fruit processing technologies such as canning, dehydration, pickling, provisional preservation, bottling etc. With the advent of technology and preservatives, shelf life of such products has gone up and they can be preserved for many months with proper packing.

## Fruits and vegetables processing industry overview

Global Fruit and Vegetables Processing Industry by segment



- Canned fruit and vegetables
- Frozen fruit and vegetables
- Juices
- Dried and dehydrated food

Source: IBIS World Industry Report 2016

The global fruit and vegetables processing industry trends are:

- ▶ Sales of processed fruits and vegetables has increased in absolute numbers in past 5 years.
- ▶ Economic growth and rising incomes has been driving demand in developing economies for frozen fruit and vegetables.
- ▶ For juices and related products, rising health-consciousness and the increasing value of time in developed economies is expanding demand for these products from OECD country consumers. The product segment's share of overall industry revenue has grown over the past five years.
- ▶ In, dried and dehydrated foods category the overall share in industry revenue has fairly remained constant due to its low cost and its inability to gain traction with rising middle income consumers.

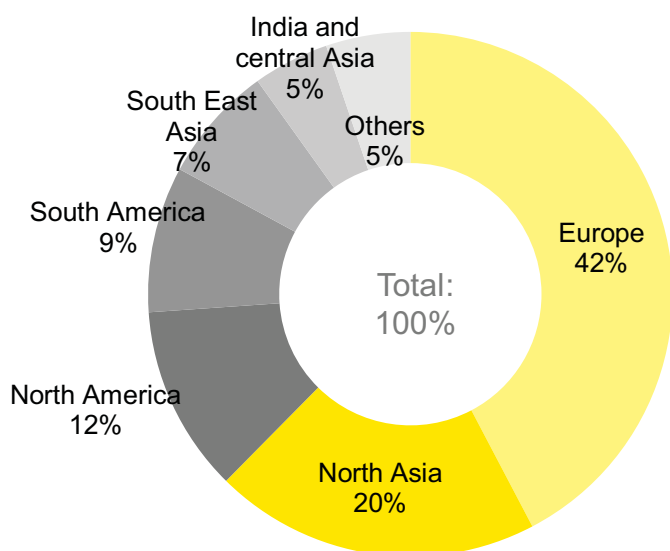
**Global market overview** – In the developed nations consumers have become more health conscious which has increased appetite for processed fruits. In the developing world, the expansion of middle-classes have led to increased durable good ownership rates. As a result, economic growth and rising incomes have led to expanding demand for products within this segment from the past 5 years.

## Processed food product segments industry revenue breakup 2015/16 (%)



Source: IBIS World Industry Report 2016

## Processed food production by region 2015/16



Some key trends in global processed food production are-

- ▶ Approx. 36% of the processed food industry revenue comes from frozen fruits and vegetables
- ▶ Low-tech fruit and vegetable processors, such as fruit driers, exist in almost every country in the world whereas high-tech, large-scale fruit and vegetable processing operations are concentrated primarily in Europe and Asia
- ▶ Presence of production zones in Europe and Asia have helped them remain at leading positions

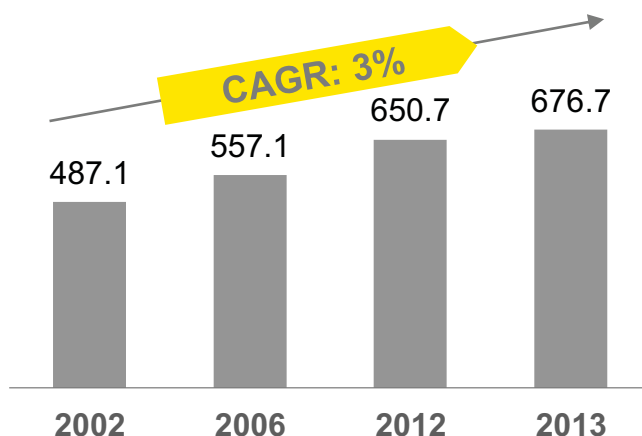
Source: IBIS World Industry Report 2016

## Global fruit production

Country	Production 2002	Production 2013	CAGR
China	72.02	154.36	7.2%
India	43.23	82.63	6.1%
Brazil	36.53	37.77	0.3%
USA	30.29	26.98	-1.0%
Spain	16.08	17.69	0.9%
Mexico	14.29	17.553	1.9%
Italy	16.08	16.37	0.2%
Indonesia	11.44	16.003	3.1%

Source: Indian horticulture report 2015

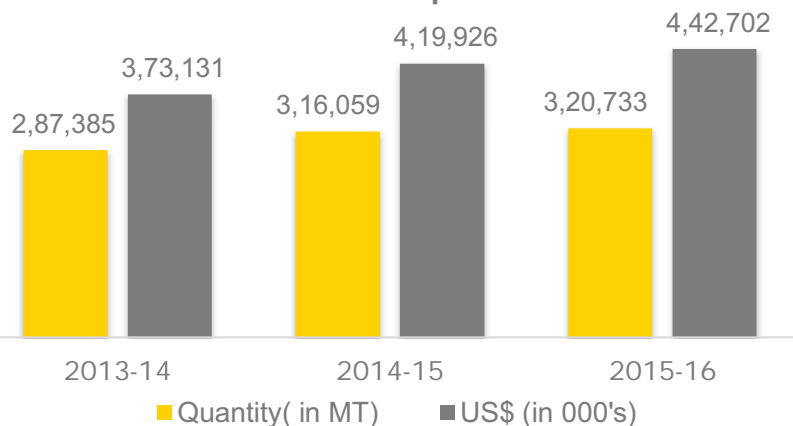
## World fruit production (in million tonnes)



Source: Indian horticulture report 2015

## Market potential for India

### Processed fruits exports from India

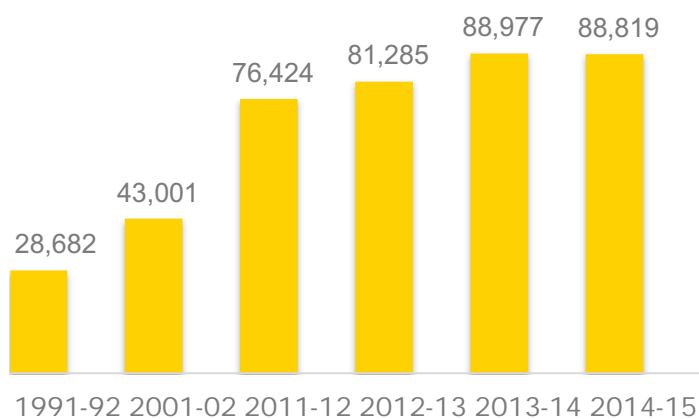


Source: Agri exchange Database

- ▶ Exports from India have increased from US\$373.1 million in 2013 to US\$320.7 million in 2015, registering an increase of ~9% y-o-y basis.
- ▶ Top importers from India includes U.S.A, Netherlands, Saudi Arabia, U.K, Iran, France etc.
- ▶ The strategic advantage of location helps Indian exporters to export to high demand areas like Gulf countries.

## Fruit production - India

### All India fruit production, MT



Source: APEDA Agri exchange Database

- ▶ The total fruit production in India stands at 6% growth y-o-y basis.
- ▶ India is advantageous for agro based industries, there are 127 agro-climatic zones in India.
- ▶ 42 planned mega food parks with a proposed investment of US\$ 1.46 Billion.
- ▶ 138 cold chain are proposed to boost cold storage facilities and related industries.
- ▶ The number of registered food processing units has increased from 36,881 in 2011-12 to 37,175 in 2012-13, registering a growth rate of 0.80%.

### Major fruit producing states of India



- ▶ Food constitutes the majority of domestic expenses in an Indian household, ranging from 38% to 50%

### Top 5 fruits producing states of India (2013-14)

States	% share
Maharashtra	15%
Andhra Pradesh	12%
Gujrat	9%
Tamil Nadu	8%
Uttar Pradesh	8%

# Growth Drivers

## Growing domestic requirement

- ▶ Rising disposable incomes within masses.
- ▶ Growing middle class, rapid urbanization and emergence of high income young professionals.
- ▶ Changing life style habits towards more healthier alternatives.

## Export opportunities

- ▶ Increasing integration of Indian economy with global economy.
- ▶ Proximity to key export destinations is leading the exports figures for India.
- ▶ Tremendous potential of growth as the emerging market continue to grow at a much faster.

## Supply side advantages

- ▶ Favourable conditions for horticulture and availability of wide variety of fruits and other crops.
- ▶ Large amount of aid boosts food processing industry.
- ▶ Presence of sufficient water bodies and improved irrigation facilities help to optimizing the maximum potential of yield.

## Emphasis on R&D and automation

- ▶ Government launched initiatives such as initiating/improving up Quality control/Food testing laboratory, R&D and promotional activity scheme.
- ▶ Under Modernisation/Expansion of Food Processing Industries Scheme 8 food testing laboratories have been setup in 2014-15 alone .
- ▶ In R&D, 20 projects were completed in 2014-15 with allocation of US\$4.9 million.

## Government support and Incentives

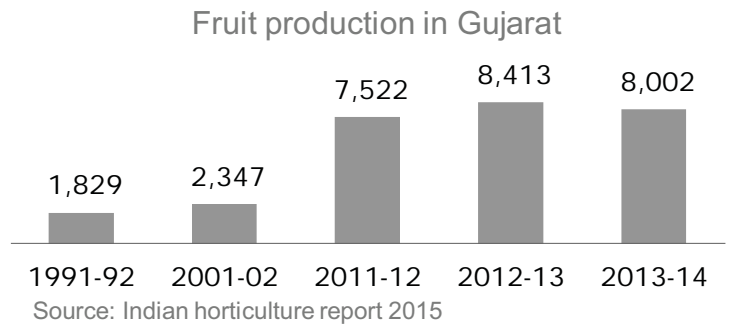
- ▶ Department of Agriculture, Cooperation and Farmers Welfare(DAC&FW) has been implementing a Central Sector Plan Scheme namely "Forecasting Agricultural Output using Space, Agro Meteorology and Land Based Observations (FASAL)". The mandate of FASAL scheme is to generate crop forecast in respect of 11 crops, including groundnut
- ▶ Upcoming mega food parks, agri-export zones to provide boost to FDI inflow into food processing sector.
- ▶ GoG has taken initiatives for creation of rural infrastructure such as Narmada Main Canal and Saurashtra Branch Canal and its distribution system.

# Gujarat - Competitive Advantage



## Availability of raw material

- ▶ Fruit production in Gujarat is growing at a long term CAGR of 12% y-o-y.
- ▶ Gujarat is the 3<sup>rd</sup> largest producer of fruits in India with the highest productivity of 22 MT/Ha in 2013-14.
- ▶ It accounts for 9% of country's total fruit production.



# 1

### Fruit bowl of the country – high raw material availability

Gujarat is the 3<sup>rd</sup> largest producer of fruits in the country and has the highest productivity. Majority of production is focused in Apples, Banana, Sapota, Mango and Papaya varieties

# 2

### Agri-marketing infrastructure

Amendment of Gujarat APMC Act, in 2007 made provisions for direct procurement from fields, contract farming etc. The state has approximately 400 cold storages with a total capacity of approximately 12.70 Lakh MT .

# 3

### Agriculture development

The state has witnessed above average growth rate of Gross State Domestic Product (GSDP) from agriculture and allied activities. During the period 2005-06 to 2011-12, the national average was ~4% while that for Gujarat was 5.5%.

# 4

### Government support

Industries department, Gujarat government has aggressively engaged in liberalizing markets. Gujarat Agro Industries Corporation Ltd. (GAIC) is specific to food processing.

## Fruit production pockets in Gujarat

Some of the popular fruit producing pockets in Gujarat are listed below with 2013-14 production figures (in MT):

Banana		Papaya		Mango	
District	Production	District	Production	District	Production
Bharuch	10,92,634	Anand	2,12,520	Valsad	2,71,268
Anand	9,80,634	Kutch	2,12,017	Navsari	2,13,066
Baroda	6,95,247	Tapi	1,22,400	Junagadh	84,120
Surat	5,89,450	Baroda	95,750	Surat	64,400
Narmada	5,14,520	Sabarkantha	90,240	Kutch	62,415

# Gujarat - Competitive Advantage

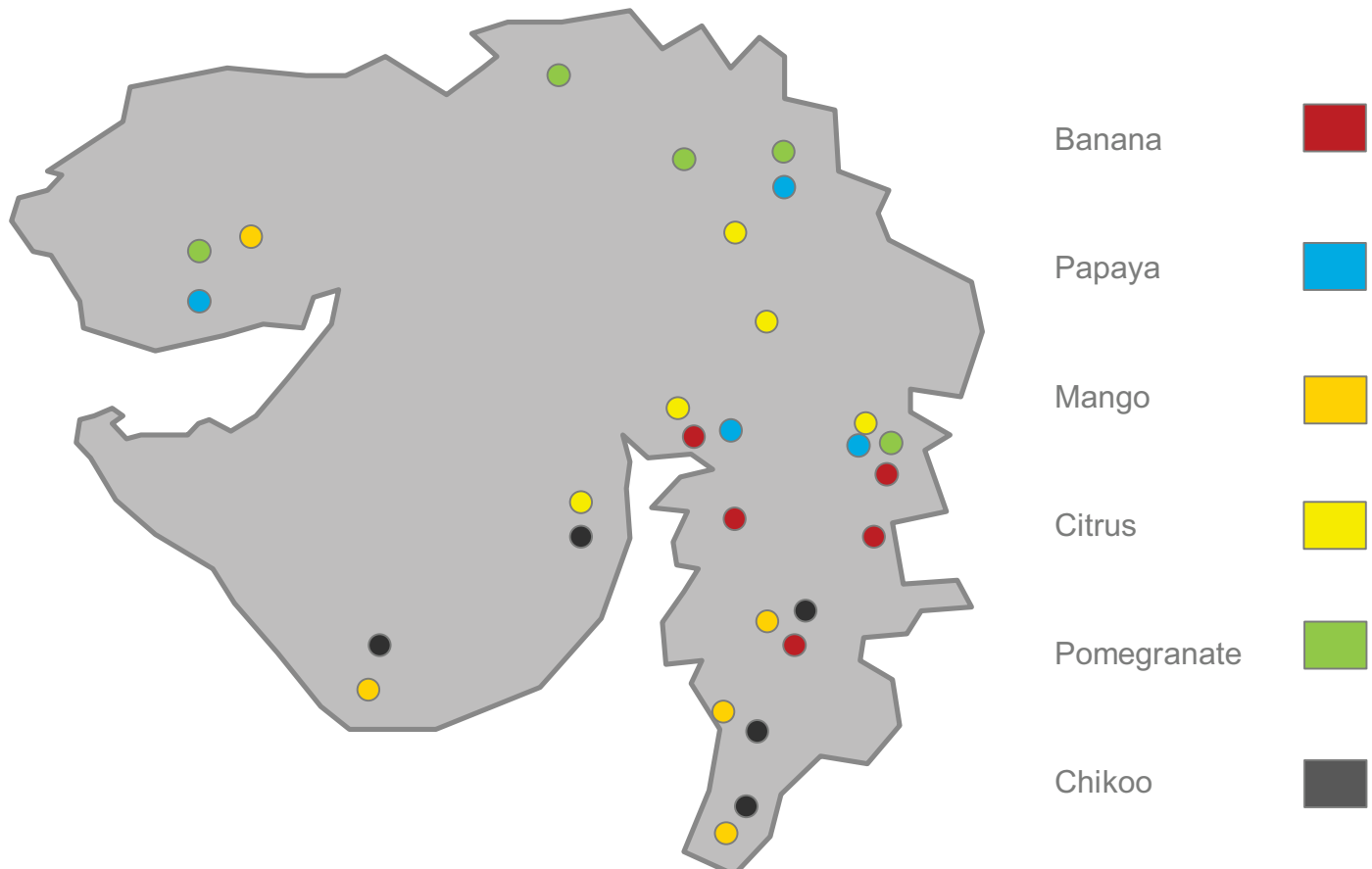


Citrus fruits		Pomegranate		Chikoo	
District	Production	District	Production	District	Production
Mehsana	98,008	Kutch	23,310	Navsari	76,140
Bhavnagar	71,000	Banaskantha	12,920	Junagadh	46,570
Anand	68,764	Sabarkantha	12,750	Bhavnagar	39,060
Baroda	37,879	Baroda	7,110	Valsad	28,160
Kheda	31,206	Mehsana	4,730	Surat	22,210

## Fruit production pockets in Gujarat

- ▶ Kutch has significant productivity of Pomegranate, mango and papaya
- ▶ Chikoo and mango is available in Junagadh
- ▶ Availability of pomegranate is more in Banaskantha and Sabarkantha
- ▶ In terms of availability of raw material, South Gujarat is more concentrated and various varieties of fruits can be made available from a radius of 250 kms from any point in South Gujrat.

Major fruit producing pockets of Gujarat





# Gujarat - Competitive Advantage



## Favourable consumer demographics

- ▶ Gujarat, with 42.6% of its population residing in the urban areas, is among the top three urbanized states in the country (as per Census 2011).



## Ease of Doing Business

- ▶ Only state to comply 100% with Environmental procedures. Gujarat fares highly when it comes to setting up a business, allotment of land and obtaining a construction permit.
- ▶ 10 Cold Chain Projects have been approved by the Ministry in Gujarat which are being implemented under MoFPI assistance.



## Availability of technical man power

- ▶ Skill development industry in the state is well-developed with many technical institutions (786 ITI's and 52 Skill upgradation centres).



## Boost from foreign investment

- ▶ The government is continuously improving infrastructure in Gujarat. As a result, the state has been witnessing significant development, encouraging manufacturers to invest in the state. Gujarat has attracted cumulative FDI worth US\$12 billion from April 2000 to March 2015.
- ▶ Gujarat contributes around 19.1% to India's total exports of goods in 2014-15.



## Flourishing Economy

- ▶ Gujarat contributes 7.2% of the Nation GDP and shows leadership in many areas of manufacturing and infrastructure sectors. Gujarat's SDP (State Domestic Product) at current price registered a growth of 11% during the year 2014-15.

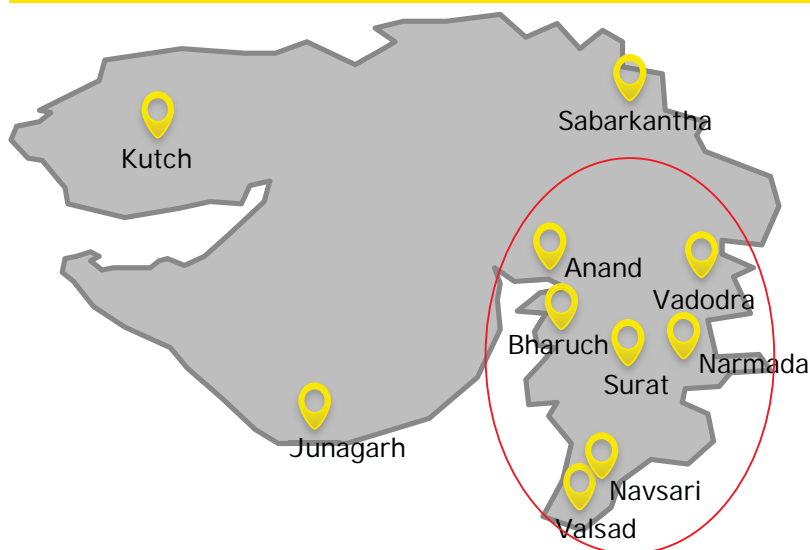


## Strategic location and excellent infrastructure

- ▶ Located on the west coast of India, Gujarat is well connected to the major cities of the world by air and sea routes.

# Project Information

## Availability of raw material



- ▶ Main fruit producing areas are located in South Gujarat and in some pockets of Central Gujarat.
- ▶ Presence of Agriculture Export Zones for mangoes (Ahmedabad to Valsad)
- ▶ Presence of robust infrastructure in South Gujarat. Surat also has a nearby Adani Hazira Port, Hazira.
- ▶ The strategic advantage of location helps Indian exporters to export to high demand areas like Gulf countries

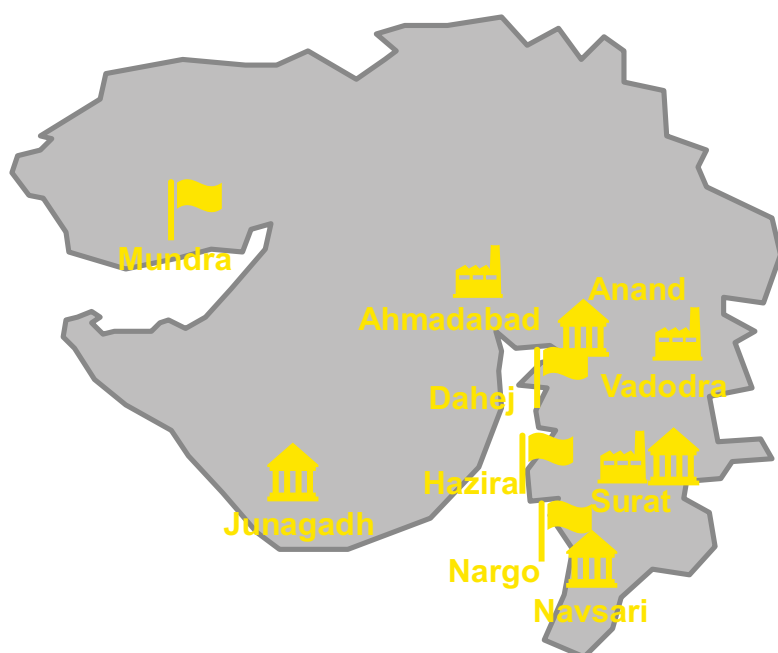
## Approved mega food parks, ports and research Institutes

Some of agro based research institutes of Gujarat are-

- ▶ Navsari Agricultural University
- ▶ Gujarat Agriculture University, Surat
- ▶ Anand Agricultural University, Anand
- ▶ Junagadh Agricultural University, Junagadh

Some of the mega food parks of Gujarat are-

- ▶ M/s Anil Mega Food Park Pvt. Ltd., Vadodara,
- ▶ Gujarat Agro Infrastructure Mega Food Park, Surat,
- ▶ M/s Fanidhar Mega Food Park Ltd., Ahmedabad



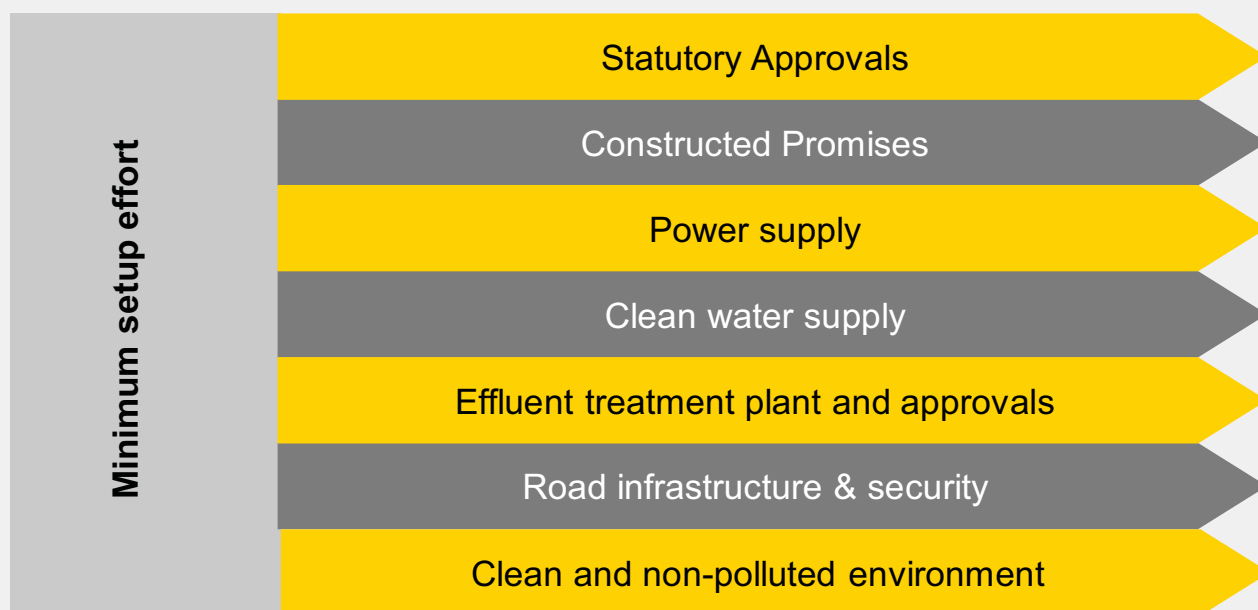
### Some Major ports in Gujarat

GMB Ports	Private Sector Ports
Mangdalla	Nargo
Bhavnagar	Vansi Borsi
Veraval	Hazira
Dahej	Dahej
Jakhau	Mundra

Preferred location seems to be **Surat** as it lies in the productive region of South Gujarat and has a nearby port as well as mega food park.

## Project Location

**Gujarat Agro Infrastructure Mega Food Park, Surat** is an industrial estate focussed exclusively at the food processing sector. The food park provides enabling infrastructure and mechanisms to strengthen the Agricultural value chain, bringing together Farmers, Food Processors and the End Consumers such as Wholesalers, Retailers & Exporters. The Park provides excellent infrastructure and facilities to enable the industry in reducing the input costs and meeting the regulatory and trade related compliances with respect to quality, environment and social standards.



### Mega Food park is supported by

- ▶ Ministry of Food Processing Industries, Government of India.
- ▶ as Food and Agri Industrial Park by Industries Department, Government of Gujarat.

35 Kms from Surat Railway Station, 6 Kms. From NH8, Nearest Airport – Surat at a distance of 50 Kms

## Incentives & Financial Assistance to industries In Gujarat Agro Infrastructure Mega Food Park

- ▶ Ministry of Food Processing Industries (MFPI) Approved Project - hence easier release of subsidy funds of MFPI Schemes to Food Processing Units.
- ▶ Zero stamp duty on land lease (exclusively to Gujarat agro infrastructure mega food park) term loan at concessional rate of interest from NABARD under food processing fund exclusively available to units in food parks.
- ▶ Lower import duty on imported machinery in mega food park.
- ▶ Exemption from income tax for 5 years from commissioning date.
- ▶ Benefit under Government of Gujarat's "Scheme of assistance to manufacturing sector"
- ▶ Short start-up time – ready availability of non-agriculture converted plots & sheds

## Common facilities at the Food Park, Surat

### Cold storage facility



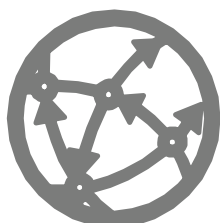
- ▶ Central Processing Centre: Cold storage facility of 3500 MT is available
- ▶ Primary Processing Centre: Cold storage facility totaling 2000MT is available
- ▶ For large units “pay as you use” facility is available.

### Warehousing



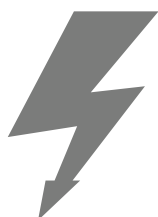
- ▶ Central Processing Centre: Cold storage facility of 5000 MT is available
- ▶ Primary Processing Centre: Cold storage facility totaling 5000MT is available
- ▶ catchment area on "Pay as you Use" basis especially with Automated Staking Facility is also available.

### QC High-Tech laboratory



- ▶ A High Tech Laboratory is to be set for Units to use on "Pay as you Use" basis.
  - ▶ Testing Parameters
    - Physical
    - Microbiological Testing
    - Chemical Testing
    - Pesticides Testing

### Solar power backup



- ▶ Solar Power Generation will take care of common maintenance of MFP
- ▶ Capacity of the plant : 1.2 MW
- ▶ This facility will be used for common facilities, common utilities, external lighting etc.
- ▶ The total generation will be 18 lac units

### Other Facilities

- ▶ Food testing laboratory
- ▶ 4 reefer vans & 4 other vehicles
- ▶ Pulping line (frozen) with capacity of 1Tonne/Hr.
- ▶ Ancillary support systems
- ▶ IFQ line, capacity of 2 Tonne/Hr.
- ▶ Availability of plug and play sheds
- ▶ Larger plot sizes, 2000-6000 sq. meters
- ▶ 50% ground coverage is permissible

## Infrastructure availability

### Logistics & connectivity

*All the six regions are well-connected with each other in Gujarat as well as other cities in India*



#### Rail

- ▶ The total length of railway lines in the state is 5,188 route km.
- ▶ Three projects, namely Viramgam-Surendranagar-Pipavav; Gandhidham-Palanpur and Mundra-Adipur were been taken up under Private Sector Participation (PSP) mode.



#### Road

- ▶ The state is well connected with district roads, state highways and national highways.
- ▶ National Highways: NH-8A and State highways ease the transportation.



#### Air

- ▶ The state has 12 domestic airports and 1 international airport, the highest in any state of India. Ahmedabad is connected with important national and international cities.



#### Port

- ▶ Gujarat is strategically positioned to service the vast Northern and Central Indian hinterland. The state has 40 minor and intermediate ports, geographically dispersed across the state.

### Utilities



#### Water

- ▶ Gujarat has a state wide “water supply grid” spread across 1,20,769 km that aims to serve 75% of the Gujarat’s population.



#### Power

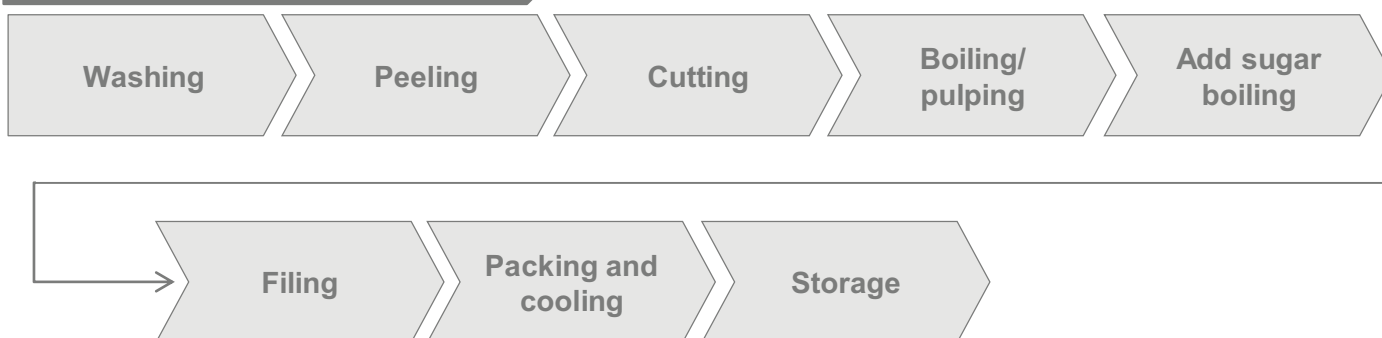
- ▶ Gujarat boasts of 24 hours 3- phase uninterrupted power supply.
- ▶ The present generating capacity of 9,827 MW will be doubled to 20,725 MW in next five years to make Gujarat a power surplus state.

## Fruit processing options

### Jam and jelly

One of the traditional methods of preservation is conversion of fruit pulp to jam and jelly. The preservation of fruit by addition of sugar helps in reducing water content required by spoilage microorganisms. Jam, jelly and marmalade are based on preservation by high sugar concentration. All fruits can be converted to jam by mashing or slicing it fine, adding an approximately equal amount of sugar, and simmering until it reaches proper concentration or gel at 218° to 222°F (103°–105°C).

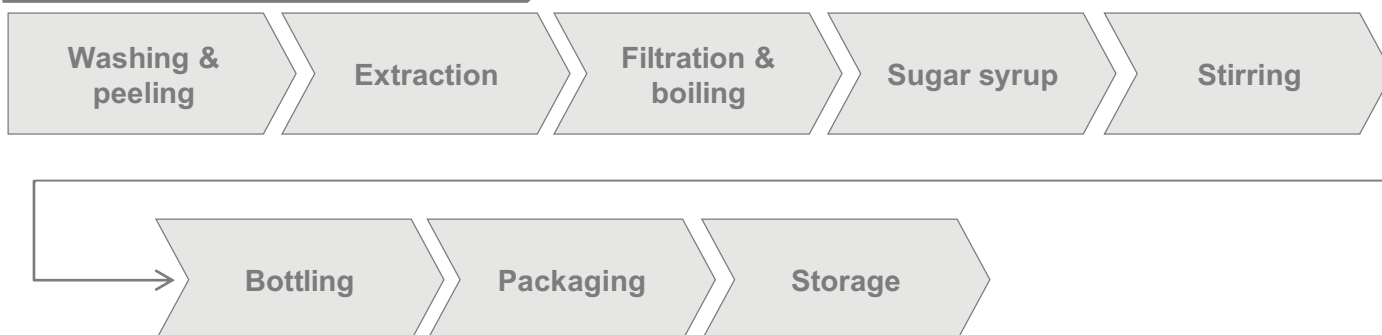
#### Process flow for jam:



### Squash

Squashes are sweetened juice of fruits containing minimum prescribed quantity of pulp. As per Indian Standards, squash should contain at least 25 per cent (by volume) of fruit juice. The squashes are consumed after dilution by drinking water in 1:3 ratio. These beverages contain added flavours and permitted class II preservatives. Since preservatives are added in adequate quantities, the shelf life of squashes is fairly longer at room temperature.

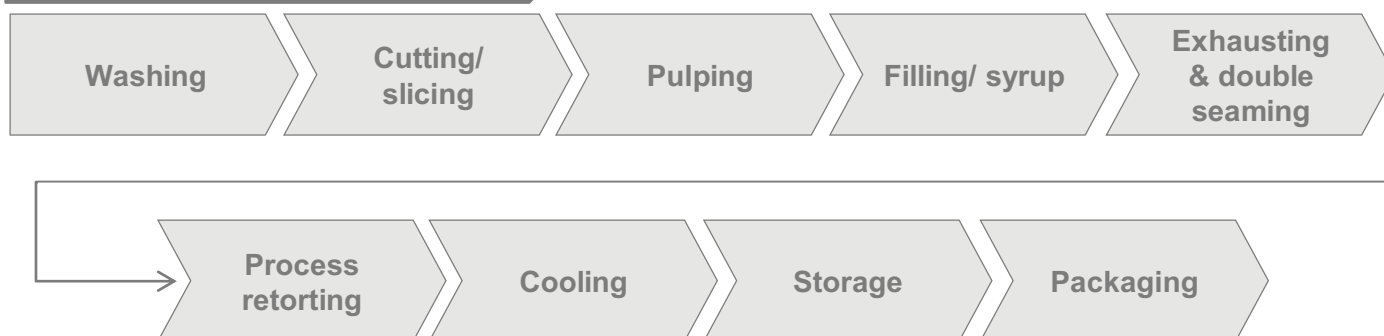
#### Process flow for pickling



## Canned fruit pulp

Canning a method of preservation in which a cooked or uncooked food is sealed in tin plated and lacquered steel cans. Fruit pulp is prepared from selected varieties of fruits. Fully matured fruit are harvested and quickly transported to the fruit processing plant. The fruits are ripened in controlled ripening chambers or natural ripening in open yard. Fully ripened fruits are washed, pulped, deseeded, centrifuged, homogenized, thermally processed and filled hot to maintain sterility. The preparation process includes cutting, de-stoning, refining packing, processing and cooling. Fruits are also canned in slices, rings and cubes etc. along with sugar syrup of desired brix.

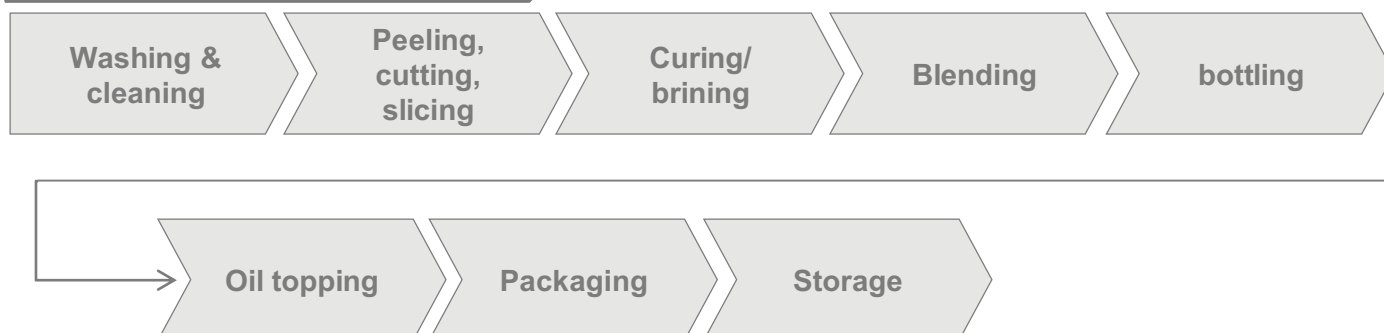
### Process flow for fruits canning:



## Pickle






Pickling is a process of preservation by fermentation. The fruits and vegetables are immersed in 5%–10% salt solution (brine) leading to lactic acid fermentation. The natural sugars present in fruits and vegetables are converted to lactic acid at 25°C. The fermentation process takes a few weeks finishing at about 1% acidity of final product. In India, spices and edible oils are used in pickle making. The spices and edible oil inhibit growth of undesirable micro flora in the product and also gives a desirable flavour.

### Process flow for pickling:



# Project Information

## Key players

Name of the player	Key products (in fruit processing)	Location and website
<b>Unilever</b>  Unilever	Brand Kissan: jams, ketchups and squashes	India <a href="https://www.hul.co.in/brands/our-brands/kissan.html">https://www.hul.co.in/brands/our-brands/kissan.html</a>
<b>Mala's Fruit Products</b> 	Jams, crushes, mocktails, syrups, squashes, cordials	Satara, Maharashtra <a href="http://www.malasfruit.com/index.htm">http://www.malasfruit.com/index.htm</a>
<b>Mapro Foods</b> 	Pioneer of fruit-based confectionery in India  Jams, fruit bars and chews, syrups, crushes, squashes, and dessert toppings	Satara, Maharashtra <a href="http://www.mapro.com/">http://www.mapro.com/</a>
<b>Oudh Sugar Mills</b> 	Brand Morton: Canned fruits & vegetables, jams, jellies, marmalades, juices, tomato products, vegetables sauces, squashes	Kolkata, West Bengal <a href="http://www.birla-sugar.com/Our-Products/Canned-Food-Fruit-Products">http://www.birla-sugar.com/Our-Products/Canned-Food-Fruit-Products</a>
<b>Vimal Agro</b> 	Canned Vegetables, Fruit Pulp & Slices, Pickles	Surat, Gujarat <a href="http://www.vimalagro.com">www.vimalagro.com</a>



# Project Information



## Plant and machinery

List of equipment and machinery	Description and usage	Est. quantity
Fruit washing machine	Reduces the initial microbial load by washing raw materials with chlorinated water. Water used for washing has to be replaced at an interval of 3 to 4 hours.	1
Sorting or inspection conveyer	Used for cutting, inspection and sorting purpose	1
Screw feeder	Used for feeding of sorted and cut fruit to fruit mill. The capacity of feeding can vary from fruit to fruit. Therefore, a slightly higher capacity screw feeder of 2MT per hour is proposed.	1
Twin pulper	Pulper crushes fruit and fine pulp is extracted. Therefore, a pulper of 3 MT per hour for fruits is required to ensure the regular supply of pulp. The fruit pulp passes through a sieve where stone or waste is removed.	1
Steam jacketed kettle	Steam jacketed kettle is a double walled cooking vessel. Pulp / other products requiring processing are heated in steam jacketed kettle at desirable temperature to reduce microbial load.	2 (375 kg each)
Miscellaneous equipments	Equipment's required such as retort, crates, electric hoist, rotary flat, empty cans, washer & sterilizer, working table, steam boiler, MS trolleys, plastic barrels, knives, weighing scale, etc.	As per requirement

## Tentative implementation schedule

Activity	Period (in months)
Application and sanction of loan	2
Site selection and commencement of civil work	1
Completion of civil work and placement of orders for machinery	4
Erection, installation and trial runs	1

# Project Information



## Man power required

Grade	Est. number of people required
Plant manager	1
Technical manager	1
Supervisors	3
Accountant	1
Electrician	2
Peon	2
Guard	1
Total	11

## Key considerations

1

Volatile Prices of Raw material & Concern of Food Security

2

Highly perishable nature and seasonality of fruit crops

3

High cost of processing technologies due to imports

4

Hygiene compliances challenge

# Project Financials

## Estimated project cost of setting-up a fruit processing plant for 300 MT per annum capacity is INR ~185 lakhs

Estimated plant capacity - 300 MT per annum capacity with share of products considered is 60%, 20%, 10% and 10% for each canned pulp, pickle, jams and canned fruits, respectively.

(Assumption: single 8 hours shift for 250 days)

### Project cost

Project components & specifications	Cost (INR lakhs)
<b>Land</b> (Area: 0.5 acres i.e. 2023.4 square meters) Rate: (INR3,000 per sq. mtr. as of May 2016) <sup>1</sup>	60.7
<b>Development cost</b> (plant area, office, godown, lab, service area etc.)	5.0
<b>Civil work</b>	23.1
<b>Plant and machinery</b>	40.2
<b>Misc. Fixed Assets</b> (Furniture and fixtures, office equipment, etc.)	2.0
<b>Preliminary and pre-operative expenses (12%)</b> (Company formation, interest during construction, etc.)	15.7
<b>Contingency (10%)</b>	14.7
<b>Total</b>	161.4
<b>Margin money for working capital (15%)</b>	24.2
<b>Total Project cost</b>	185.6

### Utilities

Utilities	Est. quantity per day
Power	As per requirement
Water	1000 liters

## Approvals prior to establishment

- 1 Registration of concern with Registrar of Companies (ROC)
- 2 NOC from Local Bodies like Gram Sabha/ MC etc.
- 3 Consent to establish from State Pollution Control Board
- 4 Approval of Layout plan for construction
- 5 Permission from Ground Water Survey and Development Authority (GSDA)
- 6 Registration with District Industry Centre (DIC) for as Small and Medium Enterprise
- 7 Application to State Electricity Board/ Authority for sanction of requisite power load

## Approvals prior to establishment

- 1 Licence from FSSAI
- 2 Permission to commence production from State Pollution Control Board
- 3 Licence from Boiler Inspector

## Incentives from Government of India (GoI)

- ▶ Fully export oriented units can sell 50% of their produce in domestic markets.
- ▶ Export earnings exempted from corporate taxes.
- ▶ Zero import duty on plants and equipment's procured for export oriented units.
- ▶ Full excise duty exemption for equipment's used for cold storage construction.
- ▶ Repatriation of capital and profits permitted.
- ▶ Under Union Budget 2015-16, US\$19.65 million has been allotted for Mega Food park Scheme

The Gujarat Government defines Agro industries in its Agro industrial policy as units which add value to agriculture products/residues, both food and non-food, by processing into products which are marketable or usable or edible or by improving storability or by providing the link from farm to the market or part thereof. Agro industry also includes Hi-Tech and Bio-technology based agriculture.

## Incentives from Government of Gujarat to Agro Industries

### **Assistance of Capital Investment Subsidy:**

Capital Investment Subsidy of 25% of eligible project cost subject to maximum of INR 0.5 million for setting up/ expansion and diversification/modernization of agro and food processing units.



### **Assistance for back ended interest subsidy on term loan:**

- Back ended interest subsidy at 7.5% on the term loan with maximum amount of INR 1.5 million for a period of 5 years for setting up/ expansion and diversification/modernization of agro and food processing units.

### **Additional back ended interest subsidy on term loan:**

- 1% additional interest subsidy to SC/ST, physically challenged or women entrepreneurs.
- 1% additional interest subsidy to entrepreneurs below 35 years age.



### **Quality certification mark:**

MSME agro units are required to obtain quality certification mark for export purposes. For this 50% (maximum of INR 0.5 million) assistance of expenditure incurred will be granted for obtaining certification mark from institute approved by Quality Council of India.



### **Skill enhancement:**

Provides assistance at the rate of 50% of fee paid, subject to maximum of INR 10 thousand per employee on obtaining industry recognized skill certifications from recognized institutions.



### **Incentive on power tariff and electric duty:**

Provides power tariff subsidy at the rate of INR one per unit in the billed amount of the utility as promotional incentive on reimbursement basis for a period of five years with effect from the commencement of commercial production/ rendering services.

**Agricultural & Processed Food Products Export Development Authority**

<http://apeda.gov.in/apedawebsite/>

**National Bank for Agriculture and Rural Development (NABARD)**

[www.nabard.org/](http://www.nabard.org/)

**Food Safety and Standards Authority of India**

<http://www.fssai.gov.in/>

**Agriculture and Co-operation Department**

[www.agri.gujarat.gov.in/index.htm](http://www.agri.gujarat.gov.in/index.htm)

**Gujarat Industrial Development Corporation**

[www.gidc.gov.in/](http://www.gidc.gov.in/)

**Industries Commissionerate**

[www.ic.gujarat.gov.in](http://www.ic.gujarat.gov.in)

*This project profile is based on preliminary study to facilitate prospective entrepreneurs to assess a prima facie scope. It is, however, advisable to get a detailed feasibility study prepared before taking a final investment decision.*

For further details:

**iNDEXTb**  
INDUSTRIAL EXTENSION BUREAU  
(A GOVT. OF GUJARAT ORGANISATION)  
ISO 9001 : 2015 Certified

- 📍 Block No. 18, 2nd Floor, Udyog Bhavan, GH-4, Sector 11, Gandhinagar - 382 010 Gujarat, INDIA
- ☎ +91-79-23256009, 23250492 / 93
- 📠 +91-79-23250490
- ✉ [indextb@indextb.com](mailto:indextb@indextb.com)
- 🌐 [www.indextb.com](http://www.indextb.com)



**Gujarat Agro Industries Corporation**

A Government Enterprise

Gujarat Agro Industries Corporation Limited  
Gujarat State Civil Supplies Corporation Ltd Building  
2nd Floor , "B" Wing , Sector 10A,  
Gandhinagar – 382010, Gujarat, India  
Phone / Fax : 079-23240208  
Email: [md-gaic@gujagro.org](mailto:md-gaic@gujagro.org)  
<https://gaic.gujarat.gov.in/>